

FOLIO

University of Alberta

3 March 1988



Quote

"Still quite consistently in the biological sciences the experimental animal model is the male rat. How do you extrapolate from these to females?"
Source: Rose Sheinin, professor of microbiology and vice-dean of graduate studies, University of Toronto. □

'What is Good for Women is Always Good for Men,' says University of Toronto Scientist, on Employment Equity

Men must come out into the open and say publicly what they think of any proposed affirmative action and employment equity program, said Rose Sheinin, microbiologist and vice-dean of graduate studies at the University of Toronto, talking to a crowded U of A audience last week about excellence at universities and equity in faculty hiring.

"If the discussion is not open, people will talk together behind your back—and I don't want my decided on the backstairs of (ultly clubs)," Dr. Sheinin said.

Citing the University of Toronto experience, she stressed that, whatever the exercise, the wholehearted support of the university's chief executive officer is needed, and pointed to the commitment of Provost Jean Foley, U of T's highest academic officer, to employment equity and affirmative action.

At the U of T, public discussion of how to implement equity at the first level of faculty hiring was started some three years ago with the publication of a document by

Provost Foley. That document was "honed and refined" in the succeeding years, and last July the result was submitted to principals, deans and directors.

Since then, the ideas have filtered down, and "in every nook and cranny of the workplace" there is debate on various aspects of introducing equality of opportunity for men and women at the U of T.

"It is an open and public discussion, and what is extraordinary is not the things being said but that they are being said in public! Much of the debate automatically assumes that women are inferior to men."

The U of T *Bulletin* ran letters to the editor and opinion articles, "a total spectrum of opinion has been expressed, and Dr. Foley took into account every comment that was made" before modifying and rewriting the policy later in the year.

"It is my own opinion that the policy (on equity in faculty hiring) is now stronger than it was," added Dr. Sheinin. "At the U of T we are managing slowly to change from the epitome of the old boys' network in this country into a real collective of men and women who are interested in doing scholarly research."

An effective employment equity policy, Sheinin suggested, must have procedural safeguards, a sound heterogeneity clause, and include provisions that women candidates be actively sought out. The decision of the hiring committee must be accompanied by a statement giving details of why one candidate was favored over another.

She believes a workable process for affirmative action could be developed by establishing a bridging fund to underwrite new faculty positions. Two provisos would be necessary: that a woman be hired; and that the next tenure track position becoming vacant be

offered to that woman, releasing the bridging money back to the fund.

"The point to be made is that the department head must go through the world and find the best candidate who is a woman."

Describing the development of universities, Sheinin said that because they grew out of monasteries, they were patterned on the lifestyle of monks, whose only commitment was to their order and whose life was predicated on the absolute exclusion of women. The model for a university professor, therefore, is a very male one.

A judgement of scholarly excellence, for instance, is based on the criteria of intellectual curiosity, lecturing ability, creativity, and prospects for growth. But men and women bring different qualities of mind to scholarly research; have different lecturing styles and different expressions of creativity; and predictions of growth tend, in any case, to be fifty percent inaccurate.

"Scholars and scientists insist they are rational human beings. But when it comes to assessment of excellence, objectivity and rationality disappear," said Sheinin. "The all-male guild which operates in almost all universities confirms objective parameters with subjective parameters built on shared male experience (playing football, for instance) which completely excludes women. What woman can share the experience of 'making an end run'?"

"What is quite striking—and quite shocking—is the refusal to accept that there are subjective criteria, and that they are at odds with objective criteria. The old boys in the old boys' network define people on criteria that are gender-biased and have been gender-biased for over a thousand years."

Sheinin, determined to live her

life as a woman as well as an academic, married and took time out to bear children in her early years as a scientist. To male colleagues following a career path without interruptions, this indicated a lack of proper commitment, and Sheinin spent thirteen years in the postdoctoral wilderness before being admitted to the professoriate.

Still today, "a keen hotshot steps on the moving sidewalk at around age 17, does not get off, and around age 30 expects there to be a job. Any other approach indicates lack of commitment," said Sheinin.

"We should understand that women are more equal than men and perhaps they deserve to be treated so. They bear the babies and ensure the survival of the species. The university should recognize that childbearing is an important function."

Dr. Sheinin's visit was co-sponsored by WISEST, UAYS and the Department of Medical Microbiology and Infectious Diseases. □

Contents

- Vocational rehabilitation coordinator a friend in need
- VIP exhibit opens
- International Week '88
- GSA Research Symposium



Funding Workshop Seeks Industry, Campus Participants

A one-day workshop on how to develop and obtain funding for university-industry research projects will be held on campus Thursday, 10 March.

The workshop will "provide industry and university with detailed information about funding opportunities," says a release from Bob James, vice-president (research), and Arthur May, president, Natural Sciences and Engineering Research Council.

The workshop will take place in Lister Hall and pre-registration is required. Call Tricia Cisakowski, Research Services, at 432-5360. □

Vocational Rehabilitation Coordinator Instrumental in Returning Staff to Work

To paraphrase John Donne, No man or woman is an island. His pronouncement rings true in numerous situations, not the least of which is that of people forced from the job because of illness or injury.

At the University of Alberta, staff (support and academic) in this predicament can consult with Jackie Cail, the vocational rehabilitation coordinator whose special interest is the long term disability (LTD) plans.

Staff can seek her advice before and/or after going on LTD. She assesses the individual's current medical/emotional, vocational, and financial needs in order to develop the best possible rehabilitation plan.

As she explains in an introductory letter to potential clients, her initial task is to identify possible barriers to recovery, vocational needs and future medical concerns.

"The goal of the vocational rehabilitation plan is to restore ill and injured people to self-sufficiency and gainful employment at the highest attainable level of skill, in the shortest period of time," she says.

Her involvement with employees provides a necessary bridge between the employer, the disability plan and the disabled employee.

Ms. Cail, a former career counsellor, works closely with the University's medical adviser, the LTD claims adjudicator, and department heads at Personnel Services and Staff Relations to ensure smooth transitions for employees. Since coming to the University last September, she has been able to assist several employees with their rehabilitation and enhanced their return to work potential.

"The belief of disabled workers seems to be that in order to return to their former jobs they must be capable of performing all components of their positions," she says. A rehabilitation plan of her design allows for a more flexible (modified hours, duties and responsibilities) return to work.

"Employees are allowed to gradually build up their confidence and endurance after a period of absence," she says.

Ms. Cail, who has a degree in health studies from the University of Waterloo, finds that her interest in medicine helps her relate more readily to ill and injured staff.



Jackie Cail

Long-term disability plans were ushered in several years ago and Pension and Benefits Administration employed Rehabilitation Services of Canada for a few years before deciding to hire an in-house vocational rehabilitation coordinator.

"Outside consultants simply weren't able to provide the constant personal contact we wanted," says Ron Falconer, director of Pension and Benefits Administration. □

Spring Flowers for Free, in Devonian Slide Shows

The Devonian Garden staff invite you to join them this month for a four-part floral slide show presentation.

On 4 March, it's a look at the traditional Japanese garden and its value in a Canadian setting.

On 11 March, the mountain flora of Austria, Norway's central highlands and Germany will be screened.

On 18 March, it's plant collecting in the Sierra Madre occidental. □

FOLIO

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**University
of
Alberta**

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Exhibition of Visual Identity Applications Opens at Fine Arts Building Gallery

Visitors to the University in the late 1970s included a certain Pandora.

With the help of sundry departments and units she saw to it that expansion was accompanied by the release of thousands of visually uncoordinated publications and printed messages. The University, faced with a visual identity crisis, formed a committee to examine the situation and to recommend a new approach.

In 1983, the Visual Identity Committee was empowered by the President and the Board of Governors to establish a consistent visual identity for the University. A guidebook for stationery standards and another for publications standards came out and, in the last four years, individual designers have been exercising their skills while adhering to the guidebooks' parameters.

Selections from this body of work form the exhibition, Visual Identity Design.

The exhibition, on at the FAB Gallery until 13 March, contains more than 100 printed specimens and a number of concept sketches and art work prior to the print stage. There are also Board of Governors reports, posters and programs for international conferences and lectures, concerts and other events, information brochures, academic calendars, stationery items and other communication media, as well as selected pages from the Visual Identity guidebooks.

As Walter Jungkind (Art and Design), a key player in the move to design respectability, points out, many examples in the exhibition are publications that represent the University of Alberta to a national and international public of highly educated people.

"A positive visual identity needs to go beyond merely applying a logo or symbol; it must include attributes of quality and in the case of a university, of a high degree of structure and sophistication. It must represent a mental attitude, a striving for excellence," he says.

David Norwood, Chair of the Visual Identity Committee, says the exhibition shows the progress that's been made as well as the diversity and flexibility ("It's not as rigid as people think") of the campus-wide Visual Identity Program.

The exhibition, which President Myer Horowitz will officially open on 3 March at 7:30 p.m., has these purposes attached to it:



- to show colleagues at the University and the public at large what has so far been achieved with a consistent coordinated effort in visual design;

- to encourage University units to make better use of professional design expertise to achieve higher standards and economies in production;

- to uphold one of the basic functions of a university: preservation of historic tradition, that is, of the 500 years of typographic culture and of 3,000 years of development in the history of the visible world.

FAB Gallery, located on the main floor of the Fine Arts Building, is open Tuesday through Friday from 10 a.m. to 1 p.m. and from 2 to 5 p.m. □



International Centre Creates Student Registry

The University of Alberta's International Centre is pleased to announce the creation of an International Student Registry and is now actively soliciting interested University of Alberta students who wish to be a part of this network. The registry helps to make available to the community the rich "living resource" represented by international students at the University of Alberta and to this end will facilitate linkages between University of Alberta foreign and Canadian students and University departments, non-governmental organizations, community groups and the media.

The registry can be accessed by anyone interested in obtaining first-hand information about a particular country or culture, development issue, or work/study or volunteer abroad opportunities, either by having a speaker address their group or simply by meeting with or calling a student to gain specific information.

University of Alberta students willing to share their knowledge and experience with interested individuals and groups are invited to register with the International Centre. For further information, call 432-2692 or drop by the International Centre, 400 HUB International. □

Now Hear This . . .

The next deadline for submission of applications to the University/Community Special Projects Fund is 15 April 1988.

Project proposals and requests for application forms should be directed to the advisory committee's secretary, Twyla Gibson, in the office of the Associate Vice-President (Information Systems), 3-6 University Hall. Telephone 432-5580. □

Impact of Knowledge on Society to be Focus for Stehr During McCalla Professorship

The completion of a book-length manuscript on "the growing impact of scientific knowledge on social relations" will occupy Nico Stehr (Sociology) during his tenure as a McCalla Professor.

Dr. Stehr maintains that until recently, modern society was divided in terms of property and labor. Being an "owner" or "working for an owner" dictated one's membership in society. His premise is that although these features have not disappeared, a new principle has been added—knowledge. He feels that knowledge challenges property and labor as the mainstay of society. For instance, in economic terms, knowledge becomes a source of (added) value. In particular, Dr. Stehr feels that science has its own significance in this knowledge.

The reason for his study is the increased social significance of science in modern society. Dr. Stehr explains that knowledge has always had a function in social life since human action is knowledge-based and it is the penetration of scientific knowledge which has had the greatest impact. His study will look at the reasons for the power of

knowledge, the displacement of labor and property by knowledge, the manner in which knowledge acquired this important role and the social consequences of knowledge. Dr. Stehr will also examine carefully the notion of knowledge itself.

In his manuscript, Dr. Stehr will critically discuss the still dominant theories of industrial and advanced industrial society, in particular the idea of knowledge being implicit in these theories. He will also look at the varied social consequences attributed to scientific and technical knowledge by different societal groups, particularly how this kind of knowledge affects a country insofar as social inequality and economically.

However, the core of his work involves the detailed explanation of a theory of society which says that knowledge (scientific and technical) is the essential factor in dealing with other people. He will explore in detail the implications of the growing impact of scientific knowledge on society and how it effects the economy, social inequality and (the fastest growing segment of the labor force) those

whose work involves counselling, advising or providing expert knowledge.

Dr. Stehr joined the Sociology Department in 1970 following

study at the University of Oregon where he earned his PhD. He did his undergraduate work in his native Germany. □

Research Forester Visits at Invitation of Department of Recreation and Leisure Studies

Beverly Driver, a research forester with the United States Department of Agriculture-Forest Service at the Rocky Mountain Forest and Range Experiment Station, Fort Collins, Colorado, will visit the University of Alberta from 6 to 26 March as a guest of the Department of Recreation and Leisure Studies. Dr. Driver's visit is facilitated through financial support from the University's Endowment Fund for the Future.

In addition to his position as research forester, Dr. Driver is a faculty affiliate, Department of Recreation Resources, College of Forestry and Natural Resources, Colorado State University, Fort

Collins. He holds a BS in Forestry, and MS in Natural Resource Administration and an MS in Environmental Health Sciences. His interdepartmental doctorate is in Resource Planning and Environmental Health Sciences from the University of Michigan.

Dr. Driver is internationally recognized as a predominant authority in the application of behavioral research to recreation resources management, including the measurement of the psychological and economic benefits of outdoor recreation. He has also been a major contributor to the development of the concept of the Recreation Opportunity Spectrum which is a largely resource-based approach to providing recreational diversity.

Dr. Driver is a recipient of the Theodore and Franklin Roosevelt Award for Excellence in Recreation and Parks Research, awarded by the National Recreation and Parks Association, and the USDA Superior Service Award, for scientific research. He is a working party chairman of the Recreation, Tourism and Landscape Study Group, International Union of Forestry Research Organizations, and has served as consultant to a number of organizations in the United States, Canada and Europe.

Dr. Driver will make a number of presentations during his visit to the Department of Recreation and Leisure Studies, including a public lecture titled "Contributions of Behavioral Scientists to Recreation Resource Management" (9 March, 4 p.m., Tory Breezeway Lecture Room W1) and a faculty lecture titled "Outdoor Recreation: A State of the Art" (25 March, 11 a.m., W1-39 Van Vliet Physical Education and Recreation Centre).

Enquiries about Dr. Driver's lecture schedule and availability should be made to Guy Swinnerton, associate chairman, Department of Recreation and Leisure Studies, 432-2780. □



Top-Rated Panel Show

The University of Alberta presence at the recent Winter Cities Conference was augmented by a display unit (Shirley Phillips, left, and Vanessa Reid, Office of Public Affairs, were on duty this day at the convention centre). The lightweight, easy-to-assemble unit can be rented from Public Affairs for \$22 per day for up to three days' use or \$88 per week if used for longer than three days. Color prints of a) building exteriors and b) teaching and research activities can be mixed and matched, or new photographs can be taken at a nominal charge. A word to the wise: book the display unit early.

Week Contains International Dimensions

Week has nine days and is packed full of activity for the internationally-minded.

International Week '88, 4 to 12 March, is aimed at showing the campus and public the benefits brought on by the presence of international students.

The Week has something for everyone, from panel discussions and films to demonstrations and a food fair. Once again, the Third

World Film Festival is being held in conjunction with the Week.

Coordinated by the International Student Centre, the Week features such presentations as what it's like to attend school in Russia and the history of African music. Other activities include Taoist Tai Chi demonstrations, musical performances, and a craft fair.

In celebration of the amalgamation of the International

Student Centre and International Student Affairs into the International Centre, the Centre is hosting an open house on 7 March from 10 a.m. to 4:30 p.m. The official opening of the Centre takes place at 5 p.m.

For complete information on International Week '88, call the International Centre, 432-5950. □

Successful Final PhD Oral Examinations

Name	Department	Final Thesis Title
Kim Louise Kasperski	Chemistry	"Studies of the Physical Chemistry of Clays"
Jo-Anne Lefevre	Psychology	"A Differentiated-Resource View of Reading Skill"
Vincent Joseph Martin	Educational Administration	"The Development of Education in Papua New Guinea and the Impact of External Aid 1975-1985"
John C. Nesbit	Educational Psychology	"Applications of Learning Hierarchies in Adaptive Instructional Systems"
Jennifer Kaye Rodgers	Educational Psychology	"Resources for Emotional Adjustment of M.S. Patients"



Pressing Business

"Start the press" echoed throughout the Earth Sciences Building on 23 February. A high pressure mutiple anvil press was lowered into a specially-appointed room in the basement of Earth Sciences. The press, one of two in North America, will be used for research in geochemistry, geophysics and materials development. Chris Scarfe (Geology, Institute of Earth and Planetary Physics) invites discussion of the superpress and its capabilities. He would also like to hear from companies interested in research and development work on advanced materials.

Duo Navarra Performing in Convocation Hall

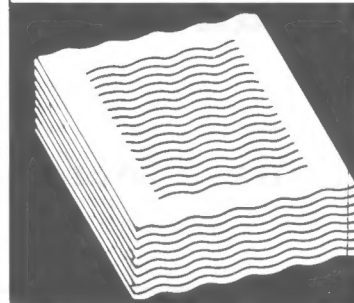
The Department of Music is pleased to present *Duo Navarra*, a cello-piano duo, in a Visiting Artists recital on Sunday, 6 March, at 8 p.m. in Convocation Hall. The Duo, Robert Bardston, cello, and Vabel Manoukian, piano, will perform sonatas by Beethoven, Brahms and Coulthard, and works by Tchaikovsky and Bartok.

Cellist Robert Bardston is well known to the Alberta string community. An artist-in-residence at Medicine Hat College since 1985, Mr. Bardston also teaches at the University of Lethbridge, and has given several workshops and masterclasses for the Alberta String Teachers and Players Association. He is a graduate of McGill University and the Nordwestdeutsche Musikakademie in Detmold, Germany.

Pianist Vabel Manoukian received her early training at the Istanbul Conservatoire. Studies followed at Juilliard, at McGill, and at the Detmold Musikakademie. A three-time recipient of the Canada Council Arts Award, Ms. Manoukian currently is instructor of piano at McGill.

The recital by *Duo Navarra* is being presented free of charge. □

Currents



Faculty Women's Club Hosts Wine and Cheese Evening

A wine and cheese evening will be held Wednesday, 16 March, from 7:30 to 9:30 p.m. in the Fourth Floor Lounge of the Business Building. There will be entertainment and a chance to visit with friends.

Tickets are \$6; if a member brings a potential FWC member as her guest, both may attend for the same price.

Tickets may be purchased from interest group convenors and executive committee members. Telephone Raj Khanna at 434-6581 for further information.

Faculty Breakfast and Dialogue

You are invited to this monthly gathering, 9 March. Time: 7:45 to 8:45 a.m. Place: St. Joseph's College, Newman Centre. Rev. Ed Checkland will lead a discussion on "Draft Policies: The Next Decade & Beyond." (New direction or more of the same?)

Boreal Circle Society Presents Preview Night

Preview Night as regards the Fort Chipewyan and Fort Vermilion Bicentennial Conference will be held on 8 March at 7:30 p.m., (CW-410 Biological Sciences Centre).

Featured speakers Geoff Ironside, chairman of the conference committee, and Pat McCormack, Provincial Museum, conference exhibit developer, will describe progress made on the Bicentennial Conference, session themes, plenary speakers, workshop participants, etc.

The film "Man Who Chooses the Bush" will be screened; director Tom Radford will be in attendance.

Using Your Own Inner Resources

To assist those who wish to further develop their own life-enriching potential, the Extension Faculty is presenting the following workshops: "Stopping the Noise Within You so You Can Hear Your Personal Genius," "Creative Visualization: A New Age Thinking Tool," "The Intuitive Edge: An Inner Resource Worth Keeping."

For further information, call 432-5069.

Volunteers Required

Volunteers (males and females, 30 years and older) are needed for 24 hour monitoring of PH in the distal esophagus. The objective is to establish normal control data. The test, says J. Koo (Surgery), carries no risk and imposes little discomfort. Telephone 453-6512. Volunteers will be paid.

Graduate Research Symposium 88

Friday, March 11

North Power Plant
University of Alberta

Papers Back Room Schedule

Chairperson: Y. d'Entremont, Secondary Education

- 0900 **de Vos, G. - Library Science**
"Not Just for Babies: Stories and Storytelling for Young Adults."
0920 **Richey, T. J. - Library Science**
"Information Use in Scientific Research and the Potential for
Demonstrating the Interdisciplinary Nature of Research Problems."
0940 **Hayden, K. A. - Library Science**
"Information-Seeking Behaviours of Undergraduate Students in the
Faculty of Agriculture and Forestry."
1000 **Darko-Yeboah, J. - Educational Psychology**
"Predicting Achievement in Math and Reading Using IQ Scores,
Perceived Competence and Reading Strategies Among the 4th and 7th

1020 **Coffee**

Chairperson: M. McLees, Educational Administration

- 1040 **Fisher, J. R. - Educational Administration**
"Balance in Newspaper Coverage of a Policy Issue."
1100 **Chapman, S. - Secondary Education**
"Metaphors and Myths of the Student Report Card."
1120 **Wood, P. H. - Secondary Education**
"Gender-Related Access Patterns and Types of Computer Usage Among
Canadian Adolescents."
1140 **d'Entremont, Y. M. - Secondary Education**
"The Reconstruction of Decimal Knowledge in Young Adults."

1200 **Lunch**

Chairperson: S. Baskett, Educational Administration

- 100 **Downes, S. - Philosophy**
"Humanism and the Copernican Revolution."
120 **Crandall, S. E. - Philosophy**
"The Body and Blood of Brenda McCleneghan."
140 **Kwan, A. - Economics**
"On Government Intervention in the Annuity Market."
200 **Amoako-Tuffour, J. - Economics**
"Portfolio Behaviour and the Demand for Government of Canada
Marketable Securities."

220 **Coffee**

Chairperson: V. Durksen, Comparative Literature

- 240 **Prince, H. - Clothing & Textiles**
"Norwegian Clothing and Textiles in Valhalla Centre, Alberta: A Case
Study and Inventory in an Ecomuseum Framework."
300 **Black, C. - Clothing & Textiles**
"An Intergenerational Investigation of Women's Clothing Problems."
320 **Connolly, M. - Physical Education & Sports Studies**
"A Consideration of Manner of Delivery as a Factor in Leadership
Behaviour."
340 **Nighswonger, D. R. - Physical Education & Sports Studies**
"Aggression: The Pursuit of Excellence in Sport."
400 **Dickoff, S. - Recreation and Leisure Studies**
"Leisure and Alcoholics."

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Papers T.V. Room Schedule

Chairperson: T. Kokate, Pharmacology

- 0900 **Quapp, R. - Romance Languages**
"Language and Land: The Search for Belonging in Certain Quebec
Writers of the 1960's."
0920 **Magennis, G. J. - Slavic and East European Studies**
"I Do Not Live - I Burn!", Bulgarian Modernism and the Tragedy of Pejo
Javorov."
0940 **Dennis, D. - Linguistics**
"Rule Governed Behaviour in English Inflectional Morphology."
1000 **Mozayani, A. - Pharmacy**
"Metabolic Acetylation of Phenelzine."
1020 **Coffee**

Chairperson: A. Naeth, Plant Science

- 1040 **Boyko C. M. - Mining, Metallurgy, & Petroleum Engineering**
"Residual Stresses in Filament-Wound Fiberglass Tubes."
1100 **Proskin, S. - Civil Engineering**
"Geotechnical Aspects of Bitumen Recovery from Alberta Oil Sands
Deposits."
1120 **Duke, M. J. M. - Geology**
"Combined Neutron Activation Analysis, O, C, and Sr Isotopic Analyses
in the Provenancing of Classical Marbles."
1140 **Prevec, S. A. - Geology**
"Isotope Geochemistry and Petrology of Deep-Crustal Rocks From
Eastern Labrador."

1200 **Lunch**

Chairperson: K. Parks, Geology

- 100 **Mangal, A. - Genetics**
"Enzymatic Repair of UV-Damaged DNA in Mammalian Cells."
120 **Barber, D. L. - Biochemistry**
"Mechanism of Cholesterol Uptake into the Egg Yolk: Elucidation of the
Very Low- and Low Density Lipoprotein Receptor from Chicken
140 **Chen, J. - Chemistry**
"On the Mechanism of the Reduction of Alpha - Haloketones by DMBI.
Reduction by a SET-Hydrogen Atom Abstraction Chain Mechanism."
200 **Cheng, Y. F. - Chemistry**
"Laser Induced Fluorescence Detection Using the Sheath-Flow Cuvette
for Capillary Zone Electrophoresis."

220 **Coffee**

Chairperson: S. Boyetchko, Plant Science

- 240 **Grey, P. E. - Oral Biology**
"Biomechanical Analysis of the Hominid Masticatory System."
300 **Manz, L. A. - Speech Pathology**
"Clinical and Neuropsychological Measures as Predictors of Male
Stutterers' Response to Intensive Stuttering Therapy."
320 **Coyea, M. R. - Forest Science**
"Factors Affecting White Spruce (*Picea Glauca*) (Moench Voss) Seed
Germination on Burned Forest Litter."
340 **Lagroix-McLean, R. - Plant Science**
"Seed Production and Seed Rain in the Alberta Foothills Under the
Savory Grazing Method (HRM)."

0900 - 1020

Beltranena, E. - Animal Science

"The Effect of Pre- and Post-Pubertal Level of Feeding on Age, Body Weight, Backfat Thickness, Ovulation Rates, and Blood Plasma Hormonal Profiles at First and Second Estrus of Gilts."

n, J. E. - Chemistry

"A Comparison of the Biological Activities of Bipyridinium Herbicides with the Reactivities of their Respective Cation Radical Toward Oxygen."

McLachlan, R. - Geography

"Raster Cartographic Colour Production Using a Laser Printer."

Johnson, V. - Geography

"Application of a Digital Terrain Modelling Package to the Alberta 1:20 000 DTDB Mapping Project."

Johnston, S. T. - Geology

"The Tectonic Setting of the Aishihik Batholith, SW Yukon."

1040 - 1200

Meleshko, R. - Sociology

"The Fate of Canadian Health Care Programs in Canada - U.S. Free Trade Negotiations."

Sadler-Takach, B. - Art & Design

"Graphic Orientation Aids for Low Vision: Visual and Tactile Aids."

Robert, A. - Romance Languages

"Translating Canadian Poetry from English into French: Doors, Words and Silence by R.A.D. Ford."

Heller, R. - Psychology

"The Interactive Effects of Age and Stimulus Variables on Paired-Associate Learning."

100 - 220

Simi, L. B. - Pathology

"Localization of the Beta-Globin Gene Cluster to Caprine Chromosome 7 by In Situ Hybridization."

Pece, A.E.C. - Physiology

"Stimulus Location and Dynamic Properties of Single Photon Transduction in Locust Photoreceptors."

Przysieznik, J. - Zoology

"Isolated Neuron Culture for the Study of Cnidarian Chemical Neurotransmission."

gas, M. - Genetics

"Cloning and DNA Sequence Analysis of the Gene Encoding Cytochrome C Heme Lyase in Neurospora Crassa."

Patocka, J. - Food Science

"Enzymatic Lactose Hydrolysis for Prevention of Lactose Crystallization in a Whey Spread."

Sponsors

- Graduate Students' Association
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- Office of the President, University of Alberta
- Faculty of Graduate Studies and Research
- GFC Conference Funds Committee
- Alma Mater Fund
- University of Alberta Students' Union

Posters on Display in the Main Lounge

Which Smoker is Most Likely to Get Lung Cancer?

Researchers look at what smokers cough up

A University of Alberta study of the effects on mucus of long-term smoking showed that smokers with lung cancer coughed up mucus less easily than smokers without cancer. It also showed that the smokers without cancer had actually developed a mucus that was more easily cleared from the lungs.

Researchers Malcolm King, a physical chemist in the University's pulmonary defence group, along with physician Gustavo Zayas, and Godfrey Man, head of the U of A Hospitals bronchoscopy service, are now looking very closely at the physical properties of mucus in these smokers with cancer.

"The normal response to smoke is for the airways to develop a mucus that's more easily cleared than usual," says King. Irritating substances can then be quickly

coughed up and got rid of. "We want to find out why this didn't happen in the case of the smokers who developed lung cancer. Is there something different about their mucus that gives them a higher risk of developing cancer?" he asks.

King and Zayas have already collected data on the mucus of young, healthy non-smokers, non-smokers with diseases other than cancer, and smokers without cancer.

"When we know if there are abnormalities in the mucus of smokers with cancer, and what these differences are, then the major question will be whether the mucus was changed after these people developed cancer, or whether it was like that from the start," says King.

Identifying abnormalities of the mucus could lead to the

Continued on page eight

Visual Identity Design



University of Alberta

An overview
of recent design work
completed within the parameters
of the University's
Visual Identity Design Guides

Curator: Walter Jungkind



The exhibition is open
February 25-March 13
Tuesday to Friday
10 am-1 pm, 2-5 pm
Sundays 2-5 pm

Department of Art & Design
fine arts building gallery
Fine Arts Building
112 Street 89 Avenue

Folio

Display Advertising

Folio is the official news publication of the University of Alberta, published every Thursday throughout the year (except for July and August when it appears bi-weekly). It has a regular distribution of 9,000 of which 7,800 copies are circulated to teaching and support staff, to graduate students and to other interested people on campus. The remaining copies are sent to provincial and municipal government personnel, news outlets, and businesses and people off-campus.

Sizes and rates

The basic unit size is 27 approximate lines x 23 picas (3 7/8" x 2"). The full page is divided into 10 such units, any combination of which is available at a cost of \$35 per unit (minimum 1 unit). Half page cost: \$175. One column cost \$87.50. There is a 15% discount for University departments. A 10% discount is offered for five or more consecutive insertions.

Other specifications

Half-tones (100-line screen or less) are acceptable; no color or bleeds. Camera-ready copy is necessary; there is a charge of 30c per word for typesetting, and \$7.50 for adjustment of design work.

Deadlines

Deadline for submission is 3 p.m. one week in advance of desired publication date. Acceptance of advertisements and positioning are at the discretion of the Editor. For more information, telephone (403) 432-2325 and ask about *Folio* display advertising, or write to:
Folio Display Advertising
Office of Public Affairs
423 Athabasca Hall
University of Alberta
Edmonton, Alberta T6G 2E8

Campus Organization Anxious to Sponsor Student Refugees

The United Nations High Commission on Refugees defines a refugee as a person who has fled his/her homeland because of a well-founded fear of persecution. This persecution may be based on race, religion, nationality, or membership in a social or political group.

The Student Refugee Support Group (SRSG), formed under the auspices of the World University Services of Canada (WUSC) student refugee program, is a campus organization dedicated to establishing a support fund to sponsor one student refugee per year at the University of Alberta.

The Students' Union has passed a resolution to hold a referendum regarding the establishment of a refugee support fund, based on the proposal put forward by SRSG. The proposal suggests a 50-cent levy on Students' Union fees to support such a fund. If the resolution is passed in the referendum, to be held in conjunction with Students' Union elections on 17 and 18 March, the fund established would sponsor its first recipient this fall. In his/her first year, the student would receive a total of \$9,000 for 12 months, a sum approved by the International Centre as appropriate

for a refugee who, arriving with few or no possessions, would incur costs much greater than the average student. In his/her second year, the student would receive 25 percent of this support and in the third and fourth years, he/she would receive 10 percent of full support. The reduced funding in the latter years of the student's degree program reflects the growing self-sufficiency of the sponsored student, as espoused by the proposal.

As the student is admitted to Canada through the Canadian Immigration Centre he/she will be granted landed immigrant status, thereby becoming eligible for part-time work and other forms of student funding after the first year.

The resolution reads as follows: "I support a 50-cent fee levy to support one student per year through the WUSC student refugee program."

If the student body passes the resolution the University of Alberta will join a number of post-secondary institutions, including the Universities of Calgary, British Columbia, Toronto, and McGill in sponsorship of a student refugee under the WUSC program. □

SMOKER

Continued from page seven

development of more appropriate drugs for treatment. And, if an appropriate test could be devised physicians might eventually pinpoint the people most susceptible to lung cancer—and warn them off before they ever started smoking.

Smoking is the major cause of lung cancer—now considered an epidemic. About 150,000 new cases are diagnosed every year in the United States alone, with a mortality rate of 91 percent.

Dr. King's research on smoking is funded by the Alberta Heritage Foundation for Medical Research and the Medical Research Council of Canada. His studies on cough clearance are supported by the Canadian Cystic Fibrosis Foundation. □

**Reprinted from Research Report, published by the University's Office of Public Affairs.*

Notice

W.A.D. (Doug) Burns has now retired. Paul A. Robison, administrative director to the Board of Governors, is handling the duties and responsibilities of ceremonies and protocol officer.

Mavis Mazeppa, administrative assistant of the Board of Governors for a number of years, is taking early retirement. Newly appointed to the position is Mrs. Joyce Assen, whom we welcome to our University community. □

National Conference on University Research and the Future of Canada

Four Seasons Hotel
Edmonton, Canada

April 26-29, 1988



Rural Economy Project Attracts Funds

The Recreation, Parks and Wildlife Foundation recently contributed \$19,000 to the project "An Economic Assessment of the Recreational Value of Wildlife Resources in Alberta." Pictured (left to right) are: Mike Melnyk and Peter Boxall (Alberta Fish and Wildlife Division), John Asafu-Adjaye (Rural Economy), Dave Johnston (Recreation, Parks and Wildlife Foundation), Bill Phillips (Rural Economy), Bob Armit (Research Services), and Vic Adamowicz (Rural Economy).



Talks

CITL

3 March, 2 p.m. Hugh C. Phillips, education and speaking consultant, "Speaking with Class." TB-W2 Tory Building.

7 March, 2:30 p.m. Stan Teply, "Student Evaluation of Instructors—How Good Are The Questionnaires?" TB-W2 Tory Building.

8 March, noon. Rose Marie Hague, "Suicide—Death or Life in Academia?" 2J4.02 Mackenzie Health Sciences Centre.

9 March, 3 p.m. D.L. Tyrrell, "Making Basic Sciences Relevant to Clinical Medicine." TB-W2 Tory Building.

10 March, 12:30 p.m. Roger Dugas, "Time Management." TB-W2 Tory Building.

10 March, 3 p.m. Andre Nitecki, "Lecture Without Words, Part II." TB-W2 Tory Building.

Slavic and East European Studies

3 March, 2 p.m. Wm. Gilby and N. Zekulin, Department of Germanic and Slavic Studies, University of Calgary, 518-1000 University of Calgary—CALL (Computer-Assisted Language Learning) Authoring System Combining Traditional Exercises, Interactive Audio, and Laser Video." (Primarily for the teaching of Russian.) 113 Arts Building.
4 March, 10 a.m. and 2 p.m. (repeated lecture). Wm. Gilby "Exergen and Lasergen—Authoring Systems for Computer-Assisted Language Learning (CALL). Experience with Computer-Assisted Language Learning at the University of Calgary. Drills and Practice, Computer-Controlled Audio, and Laserdisc Video for German, French, Italian, Russian and Spanish." 113 Arts Building.
7 March, 3 p.m. O. Zujewskij, "The Movement 'Protiv Tcheniia' in 19th Century Russian Literature." 436 Arts Building.
14 March, 3 p.m. R.L. Busch, "Developments in Second-Language Teaching." 436 Arts Building.

Anatomy and Cell Biology

3 March, 3 p.m. Marilyn Miller, Department of Obstetrics and Gynecology, McGill University, "Neuroanatomical Approaches to Central Nervous System Connectivity." 5-10 Medical Sciences Building.

Women's Studies

3 March, 3:30 p.m. Dallas Cullen and Ann Hall, "Gender and Decision-Making in Male-Dominated Organizations." 1-8 Humanities Centre.
8 March, 3:30 p.m. Lynn Penrod, "Divorce and Child Custody Mediations." 4-29 Humanities Centre.
9 March, 3:30 p.m. Vangie Bergum and Patricia Valentine, "Women and Health." 4-29 Humanities Centre.

Classics

3 March, 3:30 p.m. Caroline Falkner, "Loaded Words in Thucydides." 1-8 Humanities Centre.
10 March, 3:30 p.m. R. Smith, "Cults and Political Power in the Archaic Period." 1-8 Humanities Centre.

Animal Science

3 March, 3:30 p.m. George Foxcroft, senior lecturer in animal physiology, University of Nottingham, U.K., "Use of Prepubertal Gilts to Study Nutritional/Reproduction Interaction." 318J Agriculture-Forestry Centre.
8 March, 3 p.m. Franz Ellendorff, head of research unit, Endocrinology and Neuroendocrinology, Federal Research Center of Agriculture, Germany, "Prenatal Development of the Neuroendocrine System." 318J Agriculture-Forestry Centre.
10 March, 3 p.m. Dr. Ellendorff, "The Milk Ejection Reflex: From Art to Science." 318J Agriculture-Forestry Centre.

Mathematics

3 March, 4 p.m. M. de Gossen, University of Saskatchewan, "Boundary Wavefront Sets." 657 Central Academic Building.

English

3 March, 4 p.m. Chris Bullock, "Second Dialogue: The Essay Present and Future." L-1 Humanities Centre.

Entomology

3 March, 4 p.m. J.P. Wojcicki, "Reproductive Biology of a Fishing Spider (*Dolomedes triton*): A Preliminary Report." 2-35 Earth Sciences Building.
10 March, 3:30 p.m. J.O. Lacoursière, "Hydrodynamical Aspects of Feeding Behaviour of Larval Simuliidae (Diptera)." 2-35 Earth Sciences Building.

Library Science

3 March, 4:30 p.m. Alvin Schrader, "Peace Information Study—A Research Seminar." 1-17B Rutherford South.

Cross Cancer Institute

3 March, 7:30 p.m. Adalei A. Starreveld, "Radiation Therapy: The Healing Rays." Auditorium, Cross Cancer Institute.
10 March, 7:30 p.m. Sharon Allan, "The Prevention of Cancer." Location: same as above.

International Centre

4 March, noon. R.L. Busch, "Study in the Soviet Union."
7 March, noon. "History of African Music: Part 2."
8 March, noon. "Paths of Development: Bread and Blue Jeans" (video on Canada's relationship with other countries in terms of aid and trade). Discussion to follow.
9 March, noon. "Overseas Opportunities: An Overview."
10 March, noon. Vincent Okwechime, "Legal Education: An International Perspective."
11 March, noon. "International Academic Exchange Opportunities for U of A Undergraduates."
All events take place at the International Centre, 400 HUB International. 432-2692.

Plant Science

4 March, 12:30 p.m. H.L. Zhang, "Role of Glutenin in Determining Baking Quality." 1-06 Agriculture-Forestry Centre.
8 March, 12:30 p.m. R. Jain, "Replication of Plant Viruses: Viral Replicase vs. Host RNA Dependent RNA Polymerase." 1-06 Agriculture-Forestry Centre.
11 March, 12:30 p.m. C. Park, "Breeding Strategy Through Wide Hybridization and Induced Polyploids in Wheatgrass and Wild Rye." 1-06 Agriculture-Forestry Centre.

St. Joseph's College

4 March, 2 p.m. Paul Flaman, "Pre-marital Sexual Relations: A Few Theological Questions." Faculty Lounge, St. Joseph's College.

East Asian Languages and Literatures

4 March, 3 p.m. Sandra Buckley, Department of East Asian Languages and Literatures, McGill University, "Japanese Women's Writing/Japanese Women Written." Co-sponsored by the Women's Studies Program and the Consulate-General of Japan. 2-05 Business Building.
11 March, 2:30 p.m. The Third Annual Students' Speech Contest in Japanese. Sponsored by the Consulate-General of Japan in Edmonton and the Japan Foundation, Tokyo. 2-05 Business Building.

Zoology

4 March, 3:30 p.m. Lawrence M. Page, ichthyologist, State Natural History Survey Division, Illinois Department of Energy and Natural Resources,

Champaign, Illinois, "Sex Reversal and Cuckoldry in the Minnow Genus *Pimephales*." M-149 Biological Sciences Centre.

11 March, 3:30 p.m. A. Rich Palmer, "Shell Variation in Rocky Shore Gastropods: Genetics, Environmental Influences and Adaptive Value." M-149 Biological Sciences Centre.

Pharmacy and Pharmaceutical Sciences

4 March, 4 p.m. Allan J. McLean, senior lecturer, Monash University, and director, Department of Clinical Pharmacology, Alfred Hospital, Melbourne, Australia, "Pharmacokinetics of Bismuth Accumulation in Man: Single and Chronic Dosing." Funded by the Alberta Heritage Foundation for Medical Research. 2031 Dentistry-Pharmacy Centre.
14 March, 4 p.m. David Lalka, associate professor, Department of Pharmaceutics, School of Pharmacy, State University of New York at Buffalo, Amherst, New York, "Effects on Factors Controlling Hepatic First Pass Metabolism." 4069 Dentistry-Pharmacy Centre.

Northern Biology

7 March, noon. Peter Dunn, "Monogamy in Tree Swallows." B-121 Biological Sciences Centre.
14 March, noon. Gloria Dobush, "Use of Breeding Ground Resources for Reproduction by White-Winged Scoters." B-121 Biological Sciences Centre.

Rural Economy

7 March, 3:15 p.m. Mari Nakamura, "Structural Change in the Japanese Cereal Section — Implications for Trade." 511 General Services Building.

Literary Theory

7 March, 3:30 p.m. U. Margolin, "Narrative 'You' Revisited." 5-20 Humanities Centre.

Economics

9 March, 3 p.m. L. Cain, Loyola University, "Economic Efficiency and the Northwest Ordinance." 8-22 Tory Building.

Alberta Heritage Foundation for Medical Research

9 March, 11 a.m. Michael A. Marletta, College of Pharmacy, University of Michigan, "Macrophage Synthesis of Nitrite, Nitrate and N-Nitrosamines." 553 General Services Building.
11 March, 11 a.m. Dr. Marletta, "A Receptor-Like Protein for Polycyclic Aromatic Hydrocarbons from Mouse Liver." 553 General Services Building.

Chemistry

9 March, 11 a.m. L. Marquez, "Mechanisms for Superoxide Toxicity." 1-07 V-Wing.

Botany

9 March, 4 p.m. Dan Crawford, "Isozymes, Chloroplast DNA and Plant Systematics: General Considerations and Specific Examples." M-149 Biological Sciences Centre.

Forest Science

9 March, noon. Allen Johnson, MSc candidate, "Possibilities of Using Air Photos to Predict Crown Fuel Weights." 4-1 Mechanical Engineering Building.
16 March, noon. Marie Coyea, MSc candidate, "Factors Affecting White Spruce (*Picea glauca*) Germination on Burned Forest Litter." 4-1 Mechanical Engineering Building.

Medicine

9 March, 3:30 p.m. Phil Halloran, "The Major Histocompatibility Complex: The Dynamic All-Star of the Host Defence Team." Bernard Snell Hall, W.C. Mackenzie Health Sciences Centre. Refreshments to follow.

Genetics

9 March, 4 p.m. Claire Cupples, Molecular Biology Institute, UCLA, "Detection of Specific Mutagenesis Events in *E. coli*." G-217 Biological Sciences Centre.
11 March, 4 p.m. J.R.S. Whittle, School of Biological Science, University of Sussex, "Genetic and Developmental Analysis of the Segment Polarity Gene, *patch*, of *Drosophila melanogaster*." G-217 Biological Sciences Centre.

Anthropology

10 March, 12:30 p.m. Polly Wheeler, "Alaska Native Claims Settlement." 14-6 Tory Building.
10 March, 3:30 p.m. Herman Konrad, University of Calgary, "Ecology and Ideology in the Tropical Forests: The Maya Experience in the Mexican Lowlands." 14-6 Tory Building.

Soil Science

10 March, 12:30 p.m. Harry Hill, executive director general, National Soil Conservation Program, Regina, "Conservation Reserve." 2-36 Earth Sciences Building.
17 March, 12:30 p.m. Jim Miller, PhD candidate, "Salt Accumulation in Groundwater, Soil Solution, and Solid Phase of a Saline Seep Soil from Southern Alberta." 2-36 Earth Sciences Building.

Sociology

10 March, 2 p.m. Raymond Currie, Department of Sociology, University of Manitoba, and Harvey Krahn, "Survey Research Disease: Overcoming Student Phobias and Mythologies Concerning Data Collection." 1-83 Tory Building.
11 March, 2 p.m. Raymond Currie, Department of Sociology, University of Manitoba, and Harvey Krahn, "Survey Research Disease: Overcoming Student Phobias and Mythologies Concerning Data Collection." 1-83 Tory Building.

Marketing and Economic Analysis

10 March, 3:30 p.m. Wesley Hutchinson, University of Florida, "Ignoring Irrelevant Information: The Roles of Prior Experience and Perceptual Salience in Determining Attribute Importance." 4-16 Business Building.

Women's Research Centre

10 March, 5:30 p.m. Cathy Cavanaugh and Patricia Rooke, "The Experience of Writing a Feminist Biography. What is a Feminist Biography? How Does Feminist Scholarship Inform Feminist

Biography?" (Bring some money for an "order-in" dinner.) 11043 90 Ave. Leslie Stewart, 432-3093.

Accounting

11 March, 3 p.m. Karim Jamal, University of Minnesota, "A Multimethod Study of the Expertise Required to Detect Irregularities in Financial Statements." 1-27 Business Building.

18 March, 3 p.m. Charlie Chi, University of Florida, "Using Accounting Information to Hedge Against Foreign Exchange Risk - An Evaluation of SFAS No. 8 and No. 52." 1-27 Business Building.

Canadian Institute of Ukrainian Studies (Shevchenko Lecture)

11 March, 7:30 p.m. Bohdan Bociurkiw, Department of Political Science, Carleton University, "Christianity in Contemporary Ukraine and the Politics of the Millennium." 2-115 Education North.

Recreation and Leisure Studies

14 March, 3:30 p.m. Leslie Bella, dean, Faculty of Social Work, University of Regina, "The Androcentrism of Leisure: Family Leisure and Woman's Work." P-405 Van Vliet Centre.

English

14 March, 4 p.m. Renaissance Colloquium. Mary Blackstone, "Patronage—Missing Link." 4-29 Humanities Centre.

15 March, 3:30 p.m. Helen Trimpi, Stanford University, "The Problem of Justice in Melville's *Moby Dick*." L-3 Humanities Centre.

17 March, 3:30 p.m. Gary Watson, "Literature as Therapy." L-3 Humanities Centre.

Nursing

14 March, 4 p.m. Margaret Harrison, "Maternal Interactions with Term and Preterm Infants." 2F1.04 Mackenzie Health Sciences Centre, Classroom D.

Immunology

15 March, noon. T. Mosmann, Department of Immunology, DNAX Research Institute, Palo Alto, California, "Two Types of Mouse Helper T Cells: Differences in Function and Lymphokine Synthesis." 8-66 Medical Sciences Building.

Psychology

15 March, 2 p.m. Pierre Flor-Henry, director, Admission Services, and clinical professor, Alberta Hospital Psychiatric Treatment Centre, "The Influence of Gender in Psychopathology." CW-410 Biological Sciences Centre.

Chemistry

16 March, 11 a.m. W. Thorson, "Dynamics of Impact Ionization in Low Energy Atomic Collisions." 1-07 V-Wing.

Botany

16 March, 4 p.m. L. Zack Florence, "Genetic and Microenvironmental Associations Among Conifer Populations." M-149 Biological Sciences Centre.

Applied Mathematics Institute

16 March, 4 p.m. E.P. Lozowski, "Some Mathematical and Physical Aspects of Climate Forecasting." 357 Central Academic Building.

The Arts

Coordinating Committee on Women's Studies

3 March, 7:30 p.m. The NFB film "Behind the Veil: Nuns." TL-12 Tory Lecture Theatre.

Exhibitions

Ring House Gallery

Until 27 March. "Beyond the Object"—ten artists present 28 innovative works which encourage contemplation of meaning and content. Curated by Brian Gladwell.

McMullen Gallery

Until 31 March. "Heart to Art." 432-4211.

Music

3 March, 8 p.m. Non-compulsory Student Recital—Brenda Bodnar, piano.

5 March, 8 p.m. Encounters Series—faculty, students and friends present works by Finzi, Warlock, Bridge, Quilter, Chopin/Liszt, and Verdi/Liszt, as well as Stravinsky's "L'Histoire du Soldat."

6 March, 8 p.m. Visiting Artist Series—Robert Bardston, cello.

7 March, noon. Collegium Musicum—Mitchell Brauner and Robert Klakowich, directors. Stairwell, Fine Arts Building.

8 March, 8 p.m. Academy Strings—Norman Nelson, director.

10 March, 8 p.m. José Buonacorso—candidate for the MMus (Composition).

12 March, 8 p.m. Brenda Randall, mezzo-soprano (Senior Student Recital). Performances in Convocation Hall.

Positions

The University of Alberta is an equal opportunity employer.

In accordance with Canadian Immigration requirements, these advertisements are directed to Canadian citizens and permanent residents.

David Peikoff Chair of Deafness Studies, Department of Educational Psychology

The David Peikoff Chair of Deafness Studies has been established within the Faculty of Education at the University of Alberta. The intent of this Chair is:

- to enhance the learning/study environment available to graduate students in the preparation program for teachers of the hearing impaired in the Department of Educational Psychology
- to provide colleagues in the University and community, interested in deafness and hearing impairment, with access to expertise in this field
- to undertake and sustain a major integrative research program which links research to educational/teaching needs of deaf and hard of hearing.

The Chairholder is expected to help attain these intentions by conducting

research and teaching at least one course per term. Persons applying for this Chair should be highly qualified professionals within their respective disciplines. Applicants should be eminent scholars and/or practitioners in any university discipline and must possess specialized knowledge related to and/or experience in deafness/hearing impairment.

Applications for the Chair should be submitted by 30 June 1988, and should include a proposal describing the academic and scholarly activities for the period of the appointment, as well as a *curriculum vitae* and the names and addresses of three referees. The period of appointment will be of fixed term from one to five years with the possibility of renewal upon application; the salary will be at the Full Professor rank (currently, the floor for this rank is \$50,630 per annum). The appointment will begin after 1 September 1988, at a mutually agreeable date to the appointee and the University of Alberta. Persons who are interested in applying for this Chair, but who will not be available until 1990, or later, are strongly encouraged to write a letter indicating such interest.

Applications should be forwarded to, and further information can be obtained from: Dr. E.W. Romaniuk, Chairman, Department of Educational Psychology, University of Alberta, 6-102 Education North, Edmonton, Alberta, Canada, T6G 2G5

Tenure-Track Position, Physical Anthropology

The Department of Anthropology invites applications from physical anthropologists, and/or medical anthropologists with training in biological anthropology, for a tenure-track position at the junior Assistant Professor level. The successful candidate will hold a PhD and preference will be given to candidates who have undertaken, or are willing to undertake, research in the north. Courses to be taught include: introductory physical anthropology, human biology, human evolution, paleoanthropology, and medical anthropology.

Effective date of appointment: 1 July 1988.

Salary: \$31,612.
Closing date for receipt of applications: 31 March 1988.

Send *curriculum vitae* and names of at least three references to: Chairman, Selection Committee, Department of Anthropology, University of Alberta, Edmonton, Alberta T6G 2H4

Support Staff

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 432-5201. Due to publication lead time and the fact that positions are filled on an on-going basis, these vacancies cannot be guaranteed beyond 26 February. For a more up-to-date listing, please consult the weekly Employment Opportunities Bulletin and/or the postings in PSSR.

Clerk Steno III, Forest Science, (\$1,366-\$1,716)

Clerk Typist III (Trust/term to 23 September 1988), Alberta International, (\$1,366-\$1,716)

Secretary (Part-time Trust), Medicine, (\$609-\$778)

Medical Steno, Medicine (Gastroenterology), (\$1,522-\$1,945)

Medical Steno (Trust), Faculty of Physical Education and Recreation (Glen Sather Sports Medicine Clinic), (\$1,522-\$1,945)

Departmental/Executive Secretary, Anatomy and Cell Biology,

(\$1,716-\$2,208)

Departmental/Executive Secretary (Term for one year), Pediatrics, (\$1,716-\$2,208)

Laboratory Assistant I, (Trust), (Part- or full-time), Zoology, (\$1,142-\$1,412) (Prorated for part-time)

Animal Assistant I (Trust/term), I. Sciences Lab Animal Services, (\$1,226-\$1,522)

Technician I (Trust), Medicine, (\$1,580-\$2,027)

Electronics Technician I/II (Trust), Chemistry, (\$1,648-\$2,407)

Technologist I (Trust), Anatomy and Cell Biology, (\$1,945-\$2,510)

Administrative Assistant II, Secondary Education, (\$2,208-\$2,861)

Structural Supervisor, Physical Plant, (\$2,741-\$3,579)

For vacant Library positions, telephone 432-3339.

Library Clerk III (Term), Database Management, (\$1,366-\$1,716)

Library Assistant I (Term), Cataloguing Division, (\$1,412-\$1,791)

Library Assistant II (Term), Cataloguing Division, (\$1,580-\$2,027)

Library Assistant III, (Term), Cataloguing Division, (\$1,791-\$2,304)

Advertisements

Accommodations available

Sale - Belgravia, four-bedroom semi. \$105,000 plus a penny. This super country kitchen not for a loner.

452-2052 will get you the owner. Buying or selling a condominium -

Contact your south side condominium specialist, Willma Currah, Royal LePage, 433-9243 or 437-7480.

Rent - Available May for 12-month, 45 miles west of Edmonton on L... Ste. Anne, furnished, ultra-modern home. Indoor pool, private beach, quiet. 924-2413.

Rent - One-bedroom, furnished, river valley view on University busline. Available 15 August 1988 to 1 May 1989. \$550 negotiable. 482-1848.

Sale - Grandview. Elegant home located half block from ravine. Upgraded, new carpets, cabinets, tile. Beautifully landscaped. Owner moving from province. Call Canada Trust, Sherry Mailo, 468-2100, or pager 445-7692.

Sale - Tired of renting? Sparkling, clean bungalow in Parkdale. Recently repainted, newer carpets. Large, bright, country-style kitchen. Close to buses. \$69,900. Andrea Lye, 436-5080, 437-7691. Royal LePage R.E.S. Ltd.

Sale - Two bedrooms (plus two), two bathrooms, ten minutes to University. Excellent condition. (Basement could be suite.) \$79,900. Glen Hughes, 455-5602, 483-0601.

Sale - Classy condominium. Terrific University area location, 86 Ave. Two bedrooms, fireplace, appliances, European cabinets, multi-level, laundry room. Underground parking, like new. Excellent value. \$74,500. Joy Murray, NRS Realty, 438-6111.

Rent - Belgravia. Furnished home. Three bedrooms, hardwood floors, patio doors, walking distance University, smoke-free. Available May 1988 to May 1989. Phone 436-8347. \$900.

Sale - Attractive, three-bedroom townhouse. Appliances, firepla. Blue Quill. 433-6719.

Sale - Windsor Park. Architecturally-designed, solidly-built, upgraded, 1,856' bungalow, on one third acre. Finished basement. Three-car garage. \$175,900. Phone 433-2641 evenings.

Bed and Breakfast in our turn-of-the-century home just minutes to the U of T and downtown. Rates from \$45. Ashleigh Heritage Home,

Toronto, Ontario. Phone (416) 535-4000.

Sale - Fairmont Hot Springs. Time-share villa. Two bedrooms. First week June. \$8,000. 433-2682, 2018.

Sale - By owner. 1,240' semi-bungalow. Excellent location, tree-lined street, park-like setting. Formal dining room, three bedrooms, two baths. New nanny suite in basement. Good access to University. \$91,000. 438-1740.

Rent - Three-bedroom bungalow, fully furnished, fifteen minutes to University. Available 1 July to 31 August 1988. \$700 negotiable. 438-4288 evenings.

Sale - Quiet, treed crescent. St. Albert. Sparkling bungalow, three bedrooms, country-style kitchen. Rumpus room, fourth bedroom, den/office downstairs. Garage. Lovely spacious lot, mature trees, fenced, landscaped. \$81,900. Owner, 459-7241.

Rent - Hearthstone executive condominium (Riverbend). Furnished, three bedrooms, 2 1/2 baths, air conditioning. Available May for up to 16 months. \$900. No smoking, no pets. 434-9346.

Sale - Well-constructed, spacious, three-bedroom bungalow in Windsor Park. Modern interior with Poggenpohl kitchen, jacuzzi, fireplace, double garage. Developed basement. \$159,000. 11728 83 Ave. 433-8667.

Sale - South west in Edmonton, acreage of 7.16 acres on which a 3,200 sq. ft. family home is sited. Fenced for horses. Call Valerie Cload, Spencer Real Estate, 436-5250, 433-4720.

Sale - Riverbend. Cozy bi-level. Bus service to University. \$123,500. Well planned, two storeys, south back yard. \$149,900. Contemporary, two bedrooms, oak kitchen. \$229,000. Ann /rant, Spencer Real Estate, 436-5250, 430-6971.

For rent - Executive, five-bedroom, 2,600' house on ravine, Westridge. 1 July 1988-31 May 1989. References. Rent and furnishings negotiable. Phone 432-5338 or (evenings) 487-5273.

Rent - Study leave home. Furnished, three bedrooms upstairs, two in basement. Two four-piece bathrooms, 2 1/2 miles south of University. One-two years starting 1 July 1988, \$850/month. 434-0253.

Rent - Luxurious condominium. Two bedrooms, furnished. Exclusive hi-rise by University Hospital. Swimming pool, full security, many extras. Suitable for professor/executive. 447-1344.

Rent - July for 12 months, from professor on study leave: four-bedroom bi-level, appliances, furniture negotiable, non-smokers.

Near schools, bus, Southgate and Heritage Malls. 438-1103.

Sale - By owner, Belgravia. Completely renovated, 1,000 sq. ft., open-concept bungalow. Hardwood floors, oak kitchen, skylights, deck, sauna, wood-burning stove. Close to University, river valley. \$107,000. 434-8057.

Sale - Spotless, three-bedroom townhouse. Five major appliances. Good access to University and hospital. Excellent assumable mortgage. Pat von Borstel, 436-5250, Spencer Realty, 437-6540.

Sale - Prime location, Aspen Drive. Upgraded, five bedrooms, two storeys in mint condition. Spencer Real Estate, 436-5250, Blanche McKenzie/Bill Ramsay.

Accommodations wanted

House required for one/two years for architect and family from August. 998-5171.

Furnished, two-bedroom house for professor, wife, son (21 years). Easy access to University. June, July, August. 465-6837.

House-sitting - Mid-twenties, professional couple seek home(s) to sit May-November. For references, call 446-0656.

Goods for sale

Books wanted - Collections large/small. History, philosophy, literature, art, music, Canadiana, etc. Preferably pre-1970, including 19th century, earlier. Bjarne's Books, 10005 82 Ave., Edmonton. 439-3812. Our buyer pleased to call.

Books appraised, bought and sold every day of the week. Visit us at our spacious new location only minutes from campus. The Edmonton Book Store, 8530 109 St. 433-1781.

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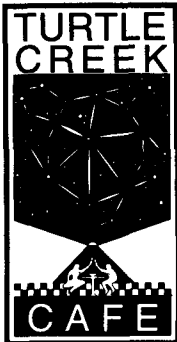
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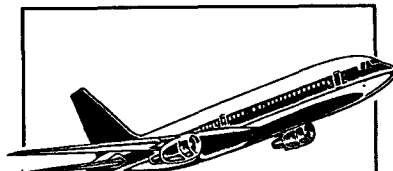
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- * give E-Mail a try
- March 8 from 10:00 - 12:00

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 - * solving problems that may be encountered
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- Mar 24 or Apr 14 from 10:00 - 12:00

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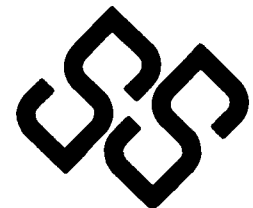
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St. Stephen's College
8810 112 Street
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T6G 2J6
439-7311



St. Stephen's College

The deadline for honorary degree nominations is March 31, 1988